
Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Keisha Douglas

Timestamp: [year=2008; month=7; day=24; hr=13; min=22; sec=56; ms=702;]

Validated By CRFValidator v 1.0.3

Application No: 10568414 Version No: 3.1

Input Set:

Output Set:

Started: 2008-07-24 13:19:19.556 **Finished:** 2008-07-24 13:19:21.088

Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 532 ms

Total Warnings: 14
Total Errors: 0

No. of SeqIDs Defined: 23

Actual SeqID Count: 23

Error code		Error Description	on								
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(3)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(4)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(5)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(6)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(7)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(8)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(9)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(10)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(11)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(12)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(13)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(14)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(15)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(16)

```
<110> Aasly, Jan O.
     Wszolek, Zbigniew K.
     Farrer, Matthew J.
<120> POLYNUCLEOTIDE
<130> 07039/784US1
<140> 10/568,414
<141> 2006-07-12
<150> PCT/NO05/00465
<151> 2005-12-19
<150> NO20052535
<151> 2005-05-27
<150> NO20045612
<151> 2004-12-23
<160> 23
<170> FastSEQ for Windows Version 4.0
<210> 1
<211> 2527
<212> PRT
<213> Homo sapiens
<220>
<221> VARIANT
<222> 2019
<223> Xaa = Any Amino Acid
<400> 1
Met Ala Ser Gly Ser Cys Gln Gly Cys Glu Glu Asp Glu Glu Thr Leu
               5
                                  10
Lys Lys Leu Ile Val Arg Leu Asn Asn Val Gln Glu Gly Lys Gln Ile
                               25
Glu Thr Leu Val Gln Ile Leu Glu Asp Leu Leu Val Phe Thr Tyr Ser
                          40
Glu His Ala Ser Lys Leu Phe Gln Gly Lys Asn Ile His Val Pro Leu
Leu Ile Val Leu Asp Ser Tyr Met Arg Val Ala Ser Val Gln Gln Val
                  70
                                      75
Gly Trp Ser Leu Leu Cys Lys Leu Ile Glu Val Cys Pro Gly Thr Met
               85
                                  90
Gln Ser Leu Met Gly Pro Gln Asp Val Gly Asn Asp Trp Glu Val Leu
                              105
Gly Val His Gln Leu Ile Leu Lys Met Leu Thr Val His Asn Ala Ser
                          120
                                             125
Val Asn Leu Ser Val Ile Gly Leu Lys Thr Leu Asp Leu Leu Thr
                      135
                                         140
```

Ser Gly Lys Ile Thr Leu Leu Ile Leu Asp Glu Glu Ser Asp Ile Phe

145					150					155					160
Met	Leu	Ile	Phe	165	Ala	Met	His	Ser	Phe 170	Pro	Ala	Asn	Asp	Glu 175	Val
Gln	Lys	Leu	Gly	Cys	Lys	Ala	Leu	His	Val	Leu	Phe	Glu	Arg	Val	Ser
			180					185					190		
Glu	Glu	Gln 195	Leu	Thr	Glu	Phe	Val 200	Glu	Asn	Lys	Asp	Tyr 205	Met	Ile	Leu
Leu	Ser	Ala	Ser	Thr	Asn	Phe	Lys	Asp	Glu	Glu	Glu	Ile	Val	Leu	His
	210					215					220				
Val 225	Leu	His	Сув	Leu	His 230	Ser	Leu	Ala	Ile	Pro 235	Суз	Asn	Asn	Val	Glu 240
Val	Leu	Met	Ser	Gly 245	Asn	Val	Arg	Суѕ	Tyr 250	Asn	Ile	Val	Val	Glu 255	Ala
Met	Lvs	Ala	Phe		Met	Ser	Glu	Ara		Gln	Glu	Val	Ser		Cvs
1100	2,2	1124	260			201	014	265		0111	014		270	0,10	0,10
Leu	Leu	His	Arg	Leu	Thr	Leu	Gly 280	Asn	Phe	Phe	Asn	Ile 285	Leu	Val	Leu
Asn	Glu		His	Glu	Phe	Val		Lvs	Ala	Val	Gln		Tyr	Pro	Glu
	290					295					300				
	Ala	Ala	Leu	GIn	310	Ser	Ala	Leu	Ser	Cys 315	Leu	Ala	Leu	Leu	Thr 320
305 Glu	Thr	Tle	Phe	T.e.11		Gln	Asn	T.e11	Glu		T.vs	Aan	Glu	Asn	
				325					330					335	
Glu	Asn	Asp	340	Glu	Gly	Glu	Glu	345	Lys	Leu	Phe	Trp	Leu 350	Glu	Ala
Суз	Tyr	_	Ala	Leu	Thr	Trp		Arg	Lys	Asn	Lys		Val	Gln	Glu
Λla	715	355 Cvc	Trn	Λla	T 011	Λan	360	T 011	T 011	Mo+	Тик	365	Λαn	Sor	T 011
Ala	370	СУБ	iip	Ala	ьеu	375	ASII	ьец	ьеu	мес	380	GIII	Asn	ser	Leu
His 385	Glu	Lys	Ile	Gly	Asp 390	Glu	Asp	Gly	His	Phe 395	Pro	Ala	His	Arg	Glu 400
	Met	Leu	Ser	Met		Met	His	Ser	Ser		Lys	Glu	Val	Phe	
				405					410					415	
Ala	Ser	Ala	Asn 420	Ala	Leu	Ser	Thr	Leu 425	Leu	Glu	Gln	Asn	Val 430	Asn	Phe
Arg	Lys	Ile	Leu	Leu	Ser	Lys	Gly	Ile	His	Leu	Asn	Val	Leu	Glu	Leu
		435					440					445			
Met	Gln 450	Lys	His	Ile	His	Ser 455	Pro	Glu	Val	Ala	Glu 460	Ser	Gly	Cys	Lys
Met 465	Leu	Asn	His	Leu	Phe 470	Glu	Gly	Ser	Asn	Thr 475	Ser	Leu	Asp	Ile	Met 480
	Ala	Val	Val	Pro		Ile	Leu	Thr	Val		Lys	Arg	His	Glu	
				485	_				490		_			495	
Ser	Leu	Pro	Val 500	Gln	Leu	Glu	Ala	Leu 505	Arg	Ala	Ile	Leu	His 510	Phe	Ile
Val	Pro	Gly		Pro	Glu	Glu	Ser		Glu	Asp	Thr	Glu	Phe	His	His
T	T	515	N/ - +	77-7	T	T	520	G	Dl	T	7	525	T1-	TT	T
туз	Leu 530	ASN	met	val	гла	Lys 535	GIN	cys	rne	тла	Asn 540	Азр	Ile	HlS	тла
I,e11		Leu	Ala	Ala	Leu		Ara	Ph≏	Il≏	Gl v		Pro	Gly	Il≏	Gln
545					550		9			555		0			560
	Cys	Gly	Leu	Lys		Ile	Ser	Ser	Ile		His	Phe	Pro	Asp	
				565					570					575	
Leu	Glu	Met	Leu 580	Ser	Leu	Glu	Gly	Ala 585	Met	Asp	Ser	Val	Leu 590	His	Thr
Leu	Gln	Met		Pro	Asp	Asp	Gln		Ile	Gln	Cys	Leu	Gly	Leu	Ser
	·	595	-		1	1	600	·		·	-	605			

Le	∍u	Ile 610	Gly	Tyr	Leu	Ile	Thr 615	Lys	Lys	Asn	Val	Phe 620	Ile	Gly	Thr	Gly
Ні 62		Leu	Leu	Ala	Lys	Ile 630	Leu	Val	Ser	Ser	Leu 635	Tyr	Arg	Phe	Lys	Asp 640
Vá	al	Ala	Glu	Ile	Gln 645	Thr	Lys	Gly	Phe	Gln 650	Thr	Ile	Leu	Ala	Ile 655	Leu
LΣ	/S	Leu	Ser	Ala 660	Ser	Phe	Ser	Lys	Leu 665	Leu	Val	His	His	Ser 670	Phe	Asp
L€	eu	Val	Ile 675	Phe	His	Gln	Met	Ser 680	Ser	Asn	Ile	Met	Glu 685	Gln	Lys	Asp
G]	Ln	Gln 690	Phe	Leu	Asn	Leu	Cys 695	Cys	Lys	Cys	Phe	Ala 700	Lys	Val	Ala	Met
As 70	_	Asp	Tyr	Leu	Lys	Asn 710	Val	Met	Leu	Glu	Arg 715	Ala	Cys	Asp	Gln	Asn 720
As	sn	Ser	Ile	Met	Val 725	Glu	Cys	Leu	Leu	Leu 730	Leu	Gly	Ala	Asp	Ala 735	Asn
G]	Ln	Ala	Lys	Glu 740	Gly	Ser	Ser	Leu	Ile 745	Cys	Gln	Val	Cys	Glu 750	Lys	Glu
Se	er	Ser	Pro 755	Lys	Leu	Val	Glu	Leu 760	Leu	Leu	Asn	Ser	Gly 765	Ser	Arg	Glu
G]	Ln	Asp 770	Val	Arg	Lys	Ala	Leu 775	Thr	Ile	Ser	Ile	Gly 780	Lys	Gly	Asp	Ser
G] 78		Ile	Ile	Ser	Leu	Leu 790	Leu	Arg	Arg	Leu	Ala 795	Leu	Asp	Val	Ala	Asn 800
As	sn	Ser	Ile	Cys	Leu 805	Gly	Gly	Phe	Cys	Ile 810	Gly	Lys	Val	Glu	Pro 815	Ser
Tı	2p	Leu	Gly	Pro 820	Leu	Phe	Pro	Asp	Lys 825	Thr	Ser	Asn	Leu	Arg 830	Lys	Gln
Τŀ	ır	Asn	Ile 835	Ala	Ser	Thr	Leu	Ala 840	Arg	Met	Val	Ile	Arg 845	Tyr	Gln	Met
ΓZ	/S	Ser 850	Ala	Val	Glu	Glu	Gly 855	Thr	Ala	Ser	Gly	Ser 860	Asp	Gly	Asn	Phe
S∈ 8€		Glu	Asp	Val	Leu	Ser 870	Lys	Phe	Asp	Glu	Trp 875	Thr	Phe	Ile	Pro	Asp 880
Se	er	Ser	Met	Asp	Ser 885	Val	Phe	Ala	Gln	Ser 890	Asp	Asp	Leu	Asp	Ser 895	Glu
G]	Lу	Ser	Glu	Gly 900	Ser	Phe	Leu	Val	Lys 905	Lys	Lys	Ser	Asn	Ser 910	Ile	Ser
Vã	al	Gly	Glu 915	Phe	Tyr	Arg	Asp	Ala 920	Val	Leu	Gln	Arg	Cys 925	Ser	Pro	Asn
L∈	eu	Gln 930	Arg	His	Ser	Asn	Ser 935	Leu	Gly	Pro	Ile	Phe 940	Asp	His	Glu	Asp
L∈ 94		Leu	Lys	Arg	Lys	Arg 950	Lys	Ile	Leu	Ser	Ser 955	Asp	Asp	Ser	Leu	Arg 960
Se	∍r	Ser	Lys	Leu	Gln 965	Ser	His	Met	Arg	His 970	Ser	Asp	Ser	Ile	Ser 975	Ser
L∈	∍u	Ala	Ser	Glu 980	Arg	Glu	Tyr	Ile	Thr 985	Ser	Leu	Asp	Leu	Ser 990	Ala	Asn
G]	Lu	Leu	Arg 995	Asp	Ile	Asp	Ala	Leu 1000		Gln	Lys	Cys	Cys 1005		Ser	Val
		1010)	His			1015	5				1020)			
Se	er	Phe	Pro	Gln	Gln	Leu	Суз	Glu	Thr	Leu	Lys	Ser	Leu	Thr	His	Leu
10	25	5				1030)				1035	5			-	L040
As	gp	Leu	His	Ser	Asn	Lys	Phe	Thr	Ser	Phe	Pro	Ser	Tyr	Leu	Leu	Lys
					1045	5				1050)				1055	5
M∈	et	Ser	Cys	Ile	Ala	Asn	Leu	Asp	Val	Ser	Arg	Asn	Asp	Ile	Gly	Pro

			106	0				1065	5				107	0	
Ser	· Val	Val		Asp	Pro	Thr	Val 1080	_	Cys	Pro	Thr	Leu 1085	_	Gln	Phe
Asn	Leu		Tyr	Asn	Gln	Leu 109		Phe	Val	Pro	Glu 1100		Leu	Thr	Asp
Val	Val	Glu	Lys	Leu	Glu	Gln	Leu	Ile	Leu	Glu	Gly	Asn	Lys	Ile	Ser
110			_		111					111	_		-		1120
Gly	· Ile	Cys	Ser	Pro	Leu	Arg	Leu	Lys	Glu	Leu	Lys	Ile	Leu	Asn	Leu
_				112	5	-			1130	0				113	5
Ser	Lys	Asn	His	Ile	Ser	Ser	Leu	Ser	Glu	Asn	Phe	Leu	Glu	Ala	Cys
			114	0				1145	5				115	0	
Pro	Lys	Val	Glu	Ser	Phe	Ser	Ala	Arg	Met	Asn	Phe	Leu	Ala	Ala	Met
		115	5				1160)				116	5		
Pro	Phe		Pro	Pro	Ser			Ile	Leu	Lys			Gln	Asn	Lys
	117			_		117		_		_	1180		_		_
	ser	Cys	Ile	Pro			Ile	Leu	Asn			His	Leu		
118		M∽+	g ~ ~	C ~ ~	1190		т1.	C1~	Т	119		C1	D∞∽		1200
тец	ı Asp	Met	ser	120!		Asp	тте	GTU	1yr 121		F T.O	σтλ	L T.O	121!	
Trr	Lys	Ser	Leu			Ara	Glu	Leu			Ser	His	Asn		
1	-12	201	122			9	J_4	1225		- 110			1230		
Ser	: Ile	Leu			Ser	Glu	Lys			Leu	Trp	Ser			Glu
		123					1240		-		_	1245			
Lys	Leu	His	Leu	Ser	His	Asn	Lys	Leu	Lys	Glu	Ile	Pro	Pro	Glu	Ile
	125	0				125	5				1260	0			
Gly	Cys	Leu	Glu	Asn	Leu	Thr	Ser	Leu	Asp	Val	Ser	Tyr	Asn	Leu	Glu
126	55				127	0				127	5			-	1280
Leu	Arg	Ser	Phe			Glu	Met	Gly	_		Ser	Lys	Ile	_	_
Ter	D	т	7\ ~	128		ш	Т	7\ ~	129		Dh-	т	ET 4	129!	
ьеи	Pro	ьeu	130		ьeu	nlS	ьеи	1305		Asp	rne	тла	131		σтλ
Cvs	Lys	Ala		-	Ile	Ile	Ara			Gln	Gln	Ara			Lvs
- <u>y</u> -	-10	131	_				1320					1325		, 5	, _
Ala	. Val			Asn	Arg	Met			Met	Ile	Val			Thr	Gly
	133		-			133	-				1340	_			-
Ser	Gly	Lys	Thr	Thr	Leu	Leu	Gln	Gln	Leu	Met	Lys	Thr	Lys	Lys	Ser
134	. 5				135	C				135	5			-	1360
Asp	Leu	Gly	Met	Gln	Ser	Ala	Thr	Val	Gly	Ile	Asp	Val	Lys	Asp	Trp
				136					1370					1375	
Pro) Ile	Gln			Asp	Lys	Arg			Asp	Leu	Val			Val
	7	Б.1	138		73	<i>c</i> . 1	<i>a</i> :	1385		a	m'		1390		D.
Trp	Asp			Gly	Arg	Glu			Tyr	Ser	Thr			His	Phe
Mat	Thr	139.		7.1.~	T 011	T	1400		77-1	T 1. 1. 22	7 02	1405		T 17.0	C1.,
riet	141		AT.Q	АІА	ьеи	1yr 141		AId	val	т Х Г.	1420		ser	тув	σтλ
Glr	ı Ala		Val	Asp	Ala			Pro	Trp	Leu			Ile	Lvs	Ala
142		JIU	v a i	112P	1430		шур	110	тър	143		22011	- T-C	_	1440
	, Ala	Ser	Ser	Ser			Ile	Leu	Val			His	Leu		
5	~			144					1450	_				145	
Ser	Asp	Glu	Lys			Lys	Ala	Cys			Lys	Ile	Thr		
	-		146		-	_		1465			_		147	_	
Leu	Leu	Asn	Lys	Arg	Gly	Phe	Pro	Ala	Ile	Arg	Asp	Tyr	His	Phe	Val
		147	5				1480)				1485	5		
Asn	Ala	Thr	Glu	Glu	Ser	Asp	Ala	Leu	Ala	Lys	Leu	Arg	Lys	Thr	Ile
	149	0				149	5				1500)			
	Asn	Glu	Ser				Lys	Ile	_	_		Leu	Val		_
150	15				151	ገ				151	5				1520

Gln	Leu	Ile	Pro	Asp 1525	_	Tyr	Val	Glu	Leu 1530		Lys	Ile	Ile	Leu 1535	
~ 1	_	_	_				~ 1				- 1	_	_		
GLu	Arg	гла			Pro	ITe	GLu			Val	ITe	Asp			Arg
			1540					1545					1550		
Leu	Leu	Gln	Leu	Val	Arg	Glu	Asn	Gln	Leu	Gln	Leu	Asp	Glu	Asn	Glu
		155	5				1560)				1565	5		
Leu	Pro	His	Ala	Val	His	Phe	Leu	Asn	Glu	Ser	Gly	Val	Leu	Leu	His
	1570)				157	5				1580)			
Pho			Pro	Δla	T. 🗕 11			Ser	Asn	T.Q11		Phe	Val	Glu	Pro
		дор	110	ліа			шец	Der	дор	1595	_	rne	vai		
1585					1590										L600
Lys	Trp	Leu	Cys	Lys	Ile	Met	Ala	GIn	Ile	Leu	Thr	Val	Lys	Val	GLu
				1605	5				1610	О				1615	5
Gly	Суз	Pro	Lys	His	Pro	Lys	Gly	Ile	Ile	Ser	Arg	Arg	Asp	Val	Glu
			1620)				1625	5				1630	С	
Lvs	Phe	Leu	Ser	Lvs	Lvs	Ara	Lvs	Phe	Pro	Lvs	Asn	Tyr	Met	Ser	Gln
		163			4	,	1640			4		1645			
Т	Dha			Т о	C1	T			т1.	71.	т			C1	C1
тут		_	ьеи	ьeu	GIU	_		GIII	TTe	Ald		Pro	TTe	GIY	GIU
	1650					165					1660				
Glu	Tyr	Leu	Leu	Val	Pro	Ser	Ser	Leu	Ser	Asp	His	Arg	Pro	Val	Ile
1665	5				1670	С				1675	5			-	L680
Glu	Leu	Pro	His	Cys	Glu	Asn	Ser	Glu	Ile	Ile	Ile	Arg	Leu	Tyr	Glu
				1685					1690					1695	
Mot	Dro	Tur	Dho			G1v	Dho	Trn			T 011	Ile	Δan		
riec	FIO	тут			Mec	Gry	riie			AIG	ьеи	116			ьеи
			1700					1705					171		
Leu	Glu	Ile	Ser	Pro	Tyr	Met	Leu	Ser	Gly	Arg	Glu	Arg	Ala	Leu	Arg
		171	5				1720)				1725	5		
Pro	Asn	Arg	Met	Tyr	Trp	Arg	Gln	Gly	Ile	Tyr	Leu	Asn	Trp	Ser	Pro
	1730)				173	5				1740)			
Glu			Cvs	T.011	Val			Glu	Val	T.011	Asn	Asn	Hiq	Pro	Glu
1745		- y -	Cyb	шец	1750		DCI	Olu	vai	175!		11011	1115		L760
		_	_	- 1			_	~	_			~ 1	_		
Ser	Phe	Leu	Lys			Val	Pro	Ser	_	_	Lys	Gly	Суз	Ile	Leu
				1765	5				1770	0				1775	5
Leu	Gly	Gln	Val	Val	Asp	His	Ile	Asp	Ser	Leu	Met	Glu	Glu	Trp	Phe
			1780	C				1785	5				179	С	
Pro	Glv	Leu	Leu	Glu	Ile	Asp	Ile	Cvs	Glv	Glu	Glv	Glu	Thr	Leu	Leu
	4					_		_	_		_	1805			
T	T													C1	T
гля	_	_	Ата	ьeu	туг			ASII	Asp	GIY		Glu	нтз	GIII	гля
	1810)				181)				1820)			
Ile	Leu	Leu	Asp	Asp	Leu	Met	Lys	Lys	Ala	Glu	Glu	Gly	Asp	Leu	Leu
1825	5				1830	С				183	5			-	L840
Val	Asn	Pro	Asp	Gln	Pro	Arg	Leu	Thr	Ile	Pro	Ile	Ser	Gln	Ile	Ala
				1845	5				1850	0				1855	5
Dro	Agn	T 011	Tlo			Agn	T 011	Dro			Tlo	Met	T OII		
FIO	дър	цец			лта	дър	шец		-	ASII	116	riec			ASII
			1860					1865					1870		
Asp	Glu	Leu	Glu	Phe	Glu	Gln	Ala	Pro	Glu	Phe	Leu	Leu	Gly	Asp	Gly
		1875	5				1880)				1885	5		
Ser	Phe	Gly	Ser	Val	Tyr	Arg	Ala	Ala	Tyr	Glu	Gly	Glu	Glu	Val	Ala
	1890)				1895	5				1900)			
Val			Phe	Asn	T.v.s			Ser	T.e11	Ara		Leu	Ara	Gln	Glu
				11011				001	шеч			200	9		
1905			_		1910				_	191			_		L920 -
Leu	Val	Val	Leu			Leu	His	His			Leu	Ile	Ser		
				1925	5				1930	C				1935	5
Ala	Ala	Gly	Ile	Arg	Pro	Arg	Met	Leu	Val	Met	Glu	Leu	Ala	Ser	Lys
			1940)				1945	5				1950	С	
Gly	Ser	Leu	Asp	Arq	Leu	Leu	Gln	Gln	Asp	Lys	Ala	Ser	Leu	Thr	Arq
_		195	_	_			1960		-	-		1965			-
Thr	וים.Т			Δrα	T1^	Δl =			√21	Δl =	Δer	Gly		Δrα	Тиг
	-cu	-111	1110	9	-	a	-u	1110	v CLI	a	-12P	$ \pm$ y	T-G	9	- y -

1970 1975 1980 Leu His Ser Ala Met Ile Ile Tyr Arg Asp Leu Lys Pro His Asn Val 1985 1990 1995 2000 Leu Leu Phe Thr Leu Tyr Pro Asn Ala Ala Ile Ile Ala Lys Ile Ala 2005 2010 2015 Asp Tyr Xaa Ile Ala Gln Tyr Cys Cys Arg Met Gly Ile Lys Thr Ser 2020 2025 Glu Gly Thr Pro Gly Phe Arg Ala Pro Glu Val Ala Arg Gly Asn Val 2035 2040 2045 Ile Tyr Asn Gln Gln Ala Asp Val Tyr Ser Phe Gly Leu Leu Tyr 2055 2060 Asp Ile Leu Thr Thr Gly Gly Arg Ile Val Glu Gly Leu Lys Phe Pro 2065 2070 2075 2080 Asn Glu Phe Asp Glu Leu Glu Ile Gln Gly Lys Leu Pro Asp Pro Val 2085 2090 2095 Lys Glu Tyr Gly Cys Ala Pro Trp Pro Met Val Glu Lys Leu Ile Lys

2105

2100